Claims

Cancel Claims 18-35

Claims 36-42 Withdrawn

Claim 43 (Amended) A ~~system~~ method ~~with a first catalog and a second catalog~~ to ~~translate~~ map and validate a first product description document, including Bills of Material or Approved Manufacturer List (AML); with ~~an~~ a first item identifier from a first set ~~of item identifiers~~, including part numbers or supplier names or supplier nicknames; to a second product description document with ~~an~~ a second item identifier from a second set for a first site where the method comprises: ~~the~~ a first catalog that provides a ~~translation~~ mapping of the first item identifier ~~from~~ and an identifier for the first set to a third item identifier from a third set; a second catalog that provides a mapping of the third item identifier and a first site identifier to the second item identifier from the second set; and the method further comprises the steps: using the first catalog, ~~the first product description document with~~ the first item identifier in the first product description document ~~from~~ and an identifier for the first set ~~is~~ are ~~translated~~ mapped to the third item identifier to produce a third product description document with the third item identifier from the third set; an item identifier in the first product description document that cannot be mapped using the first catalog must be validated and corrected externally to produce the third product description; ~~the second catalog provides for the first site, a translation of the item identifier from the third set to the item identifier from the second set;~~ using the second catalog, the third item identifier in the third product description document ~~with~~ and a first site identifier ~~the item identifier from the third set is~~ are ~~translated~~ mapped to the second item identifier to ~~the~~ produce a second product description with the second item identifier from the second set for the first site where the second product description can be printed, sent to a display, saved as a file, or used in subsequent information processing steps.

Claim 44 (Amended) The ~~system~~ method of Claim 43, wherein the second

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catalog further provides ~~for a second site,~~ a ~~translation~~ mapping of the third item identifier ~~from the third set~~ and a second site identifier to ~~an~~ a fourth item identifier from a fourth set; and the method further provides:

using the second catalog, the third item identifier in the third product description document and the second site identifier ~~with the item identifier from the third set is translated~~ are mapped to the fourth item identifier to produce a fourth product description document with the fourth item identifier from the fourth set.

Claim 45 (Amended) The ~~system~~ method of Claim 43, wherein a fifth item identifier in the first product description document and an identifier for the first set ~~s with~~ is an ~~item identifier~~ not in the first catalog ~~as from the first set~~ and determined to be a valid item identifier from the first set~~-~~, the method further provides ~~and~~ augmenting the first catalog ~~is augmented~~ with a ~~translation~~ mapping of the fifth item identifier ~~as from the first set~~ to a new, unique sixth item identifier from the third set.

Claim 46 (Amended) The ~~system~~ method of Claim 43, wherein a seventh item identifier in the first product description documents ~~with~~ and an identifier for the first set is ~~an item identifier~~ not in the first catalog ~~as from the first set~~ and determined not to be a valid item identifier from the first set but determined to be an erroneous representation or alternate representation of ~~a valid~~ the first item identifier ~~from the first~~ and the method further provides augmenting the first catalog ~~is augmented~~ with a ~~translation~~ mapping of the ~~erroneous~~ seventh item identifier ~~as from the first set~~ to the third item identifier ~~from the third set that is also translated from the valid item identifier from the first set~~.

Claim 47 (Amended) The ~~system~~ method of Claim 43, wherein an eighth item identifier from the third set in the third product description documents ~~with~~ and a first site identifier ~~an item identifier from the third set and~~ are not mapped to an item identifier from the second set and the method further provides augmenting the second catalog ~~is augmented~~ with a ~~translation~~ mapping of the eighth item identifier ~~from the third set~~ to a new, unique ninth item identifier from the second set.

Claim 48 (Amended) The ~~system~~ method of Claim 43, wherein a process is performed on the first product description document with ~~an~~ the first item identifier ~~from the first set~~, a copy of the first item identifier ~~from the first set~~ is stored and the process is performed on a fifth product description document with the first item identifier only when ~~from the first set if~~ the first item identifier in the fifth product description document ~~from the first set~~ is different from the stored copy ~~and the process is not performed if the item identifier from the first set matches the stored copy~~.

Claim 49 (Amended) The method of Claim 43, wherein the first catalog provides a ~~translation~~ many to one mapping of ~~an~~ a tenth item identifier ~~from~~ and identifier for the first set and an eleventh item identifier and identifier for a fifth set to a twelfth item identifier from a set of commodity item identifiers, a subset of the third set; ~~where~~ such that the first product description document with the tenth item identifier ~~from the first set~~ and identifier for the first set is ~~translated~~ mapped to the twelfth item identifier in the third product description document with the commodity item identifier and a sixth product description document with the eleventh item identifier and identifier for the fifth set is mapped to the twelfth item identifier in ~~to~~ an ~~third~~ seventh product description document with the commodity item identifier.

Claims 50-55 Withdrawn

Claim 56 (New) The method of Claim 43, wherein the first catalog further provides mapping of a thirteenth item identifier and an identifier for a fifth set to fourteenth item identifier from the third set and the method further provides: using the first catalog, the thirteenth item identifier in an eighth product description document and an identifier for the fifth set are mapped to the fourteenth item identifier to produce a ninth product description document with fourteenth item identifier from the third set.

Claim 57 (New) The method of Claim 43, wherein a fifteenth item identifier from the first set with a first AML (that identifies the supplier and supplier part number to purchase the fifteenth item) in the first product description document and the fifteenth item identifier with a second AML in an tenth product description

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document, where the first AML differs from the second AML; and the method further provides augmenting the first catalog such that the fifteenth item identifier with the first AML and the identifier for the first set maps to a sixteenth item identifier from the third set and the fifteenth item identifier with the second AML and the identifier for the first set maps to an seventeenth item identifier from the third set.

Claim 58 (New) The method of Claim 43, wherein the second product description document is transferred from the first site to a second site with a fourth set by augmenting the second catalog with mapping of the item identifiers from the third set and second site identifier to item identifiers from the fourth set such that the item identifiers from the third set in the third product description document are mapped to item identifiers from the fourth set to produce an eleventh product description document for the second site.

Claim 60 (New) A method to map, validate, and correct a first product description document, including Bills of Material or Approved Manufacturer List (AML); with a first item identifier from a first set, including part numbers or supplier names or supplier nicknames; to a second product description document with a second item identifier from a second set for a first site where the method comprises:

a first catalog that provides a mapping of the first item identifier and an identifier for the first set to a third item identifier from a third set;

a second catalog that provides a mapping of the third item identifier and a first site identifier to the second item identifier from the second set;

and the method further comprises the steps:

using the first catalog, the first item identifier in the first product description document and an identifier for the first set are mapped to the third item identifier to produce a third product description document with the third item identifier from the third set;

an item identifier in the first product description document that cannot be mapped using the first catalog must be validated and corrected externally to produce the third product description;

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an item identifier from the first set, which has been validated and not in the first catalog, and the identifier for the first set are added to the first catalog and mapped to a new, unique item identifier from the third set;

an item identifier from the first set, which has been determined to be an erroneous or alternate representation of a valid item identifier in the first catalog, and the identifier for the first set are added to the first catalog and mapped to the item identifier from the third set to which the valid item identifier is mapped;

using the second catalog, the third item identifier in the third product description document and a first site identifier are mapped to the second item identifier to produce a second product description with the second item identifier from the second set for the first site where the second product description can be printed, sent to a display, saved as a file, or used in subsequent information processing steps.

Claim 61 (New) The method of Claim 60, wherein the second catalog further provides a mapping of the third item identifier and a second site identifier to a fourth item identifier from a fourth set; and the method further provides:

using the second catalog, the third item identifier in the third product description document and the second site identifier are mapped to the fourth item identifier to produce a fourth product description document with the fourth item identifier from the fourth set.

Claim 62 (New) The method of Claim 60, wherein an fifth item identifier from the third set in the third product description document and a first site identifier are not mapped to an item identifier from the second set and the method further provides augmenting the second catalog with a mapping of the fifth item identifier to a new, unique sixth item identifier from the second set.

Claim 63 (New) The method of Claim 60, wherein the first catalog provides a many to one mapping of a seventh item identifier and identifier for the first set and an eight item identifier and identifier for a fifth set to a ninth item identifier from a set of commodity item identifiers, a subset of the third set; such that the first product description document with the seventh item identifier and identifier for the first set are mapped to the ninth item identifier in the third product

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description document with the commodity item identifier and a sixth product description document with the eleventh item identifier and identifier for the fifth set is mapped to the twelfth item identifier in an seventh product description document with the commodity item identifier.

Claim 64 (New) The method of Claim 60, wherein the first catalog further provides mapping of a tenth item identifier and an identifier for a fifth set to an eleventh item identifier from the third set and the method further provides: using the first catalog, the tenth item identifier in an eighth product description document and an identifier for the fifth set are mapped to the eleventh item identifier to produce a ninth product description document with eleventh item identifier from the third set.

Claim 65 (New) A method to map and validate a first product description document, including Bills of Material or Approved Manufacturer List (AML); with a first item identifier from a first set, including part numbers or supplier names or supplier nicknames; to a second product description document with a second item identifier from a second set for a first site where the method comprises: a first catalog that provides a mapping of the first item identifier and an identifier for the first set to a third item identifier from a third set; a second catalog that provides a mapping of the third item identifier and a first site identifier to the second item identifier from the second set; and the method further comprises the steps: using the first catalog, the first item identifier in the first product description document and an identifier for the first set are mapped to the third item identifier to produce a third product description document with the third item identifier from the third set; using the second catalog, the third item identifier in the third product description document and a first site identifier are mapped to the second item identifier to produce a second product description with the second item identifier from the second set for the first site where the second product description can be printed, sent to a display, saved as a file, or used in subsequent information processing steps.

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Claim 66 (New) The method of Claim 65 wherein an item identifier in the first product description document that cannot be mapped using the first catalog must be validated and corrected externally to produce the third product description.

Claim 67 (New) The method of Claim 65 wherein an item identifier from the first set, which has been validated and not in the first catalog, and the identifier for the first set are added to the first catalog and mapped to a new, unique item identifier from the third set.

Claim 68 (New) The method of Claim 65 wherein an item identifier from the first set, which has been determined to be an erroneous or alternate representation of a valid item identifier in the first catalog, and the identifier for the first set are added to the first catalog and mapped to the item identifier from the third set to which the valid item identifier is mapped.